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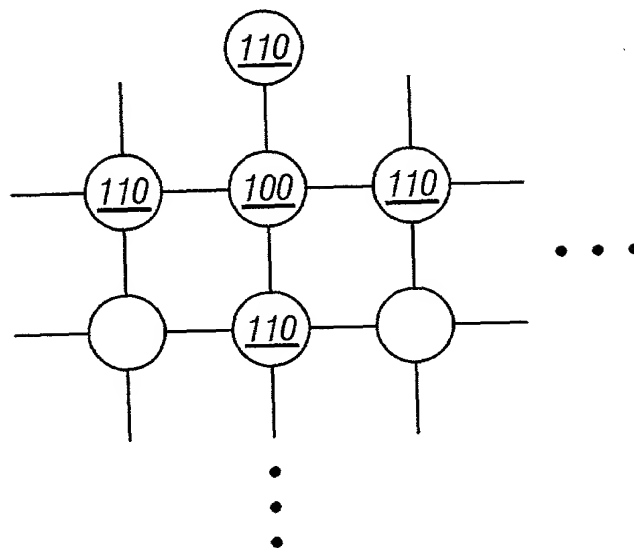


FIG. 1
 (Prior Art)

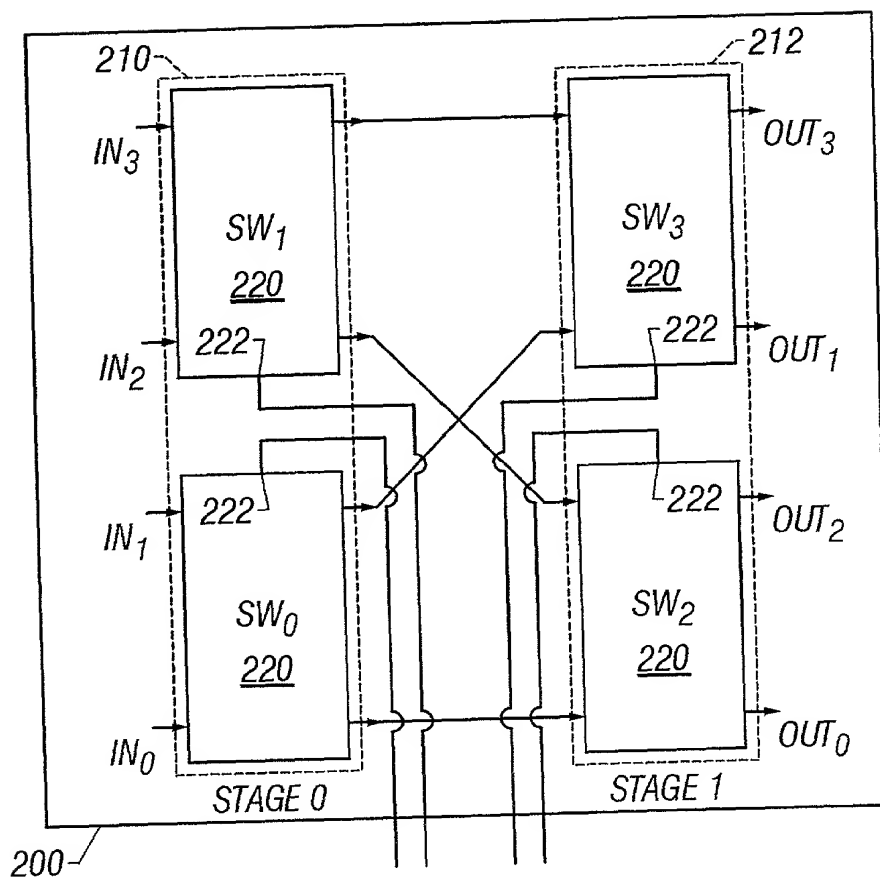


FIG. 2

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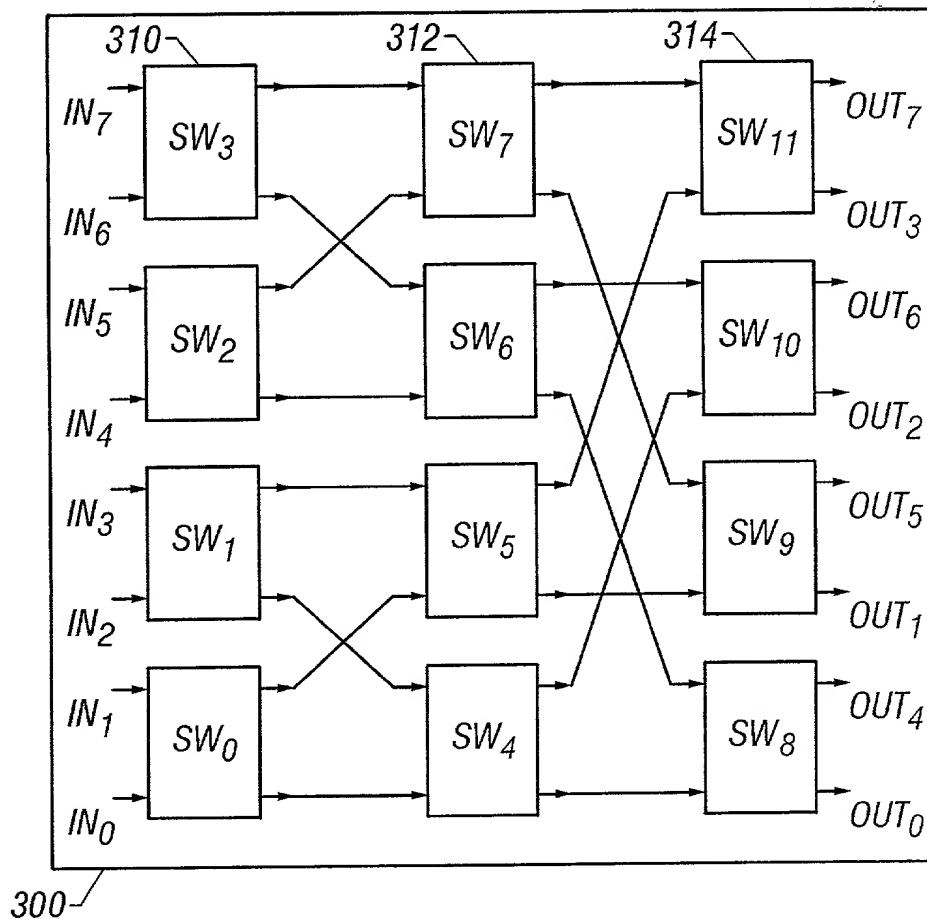


FIG. 3

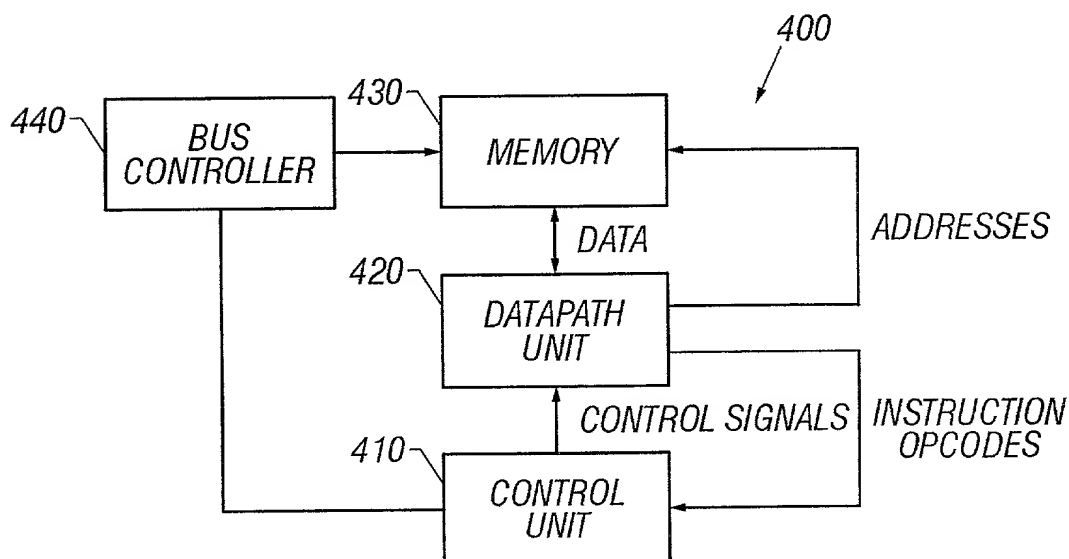


FIG. 4

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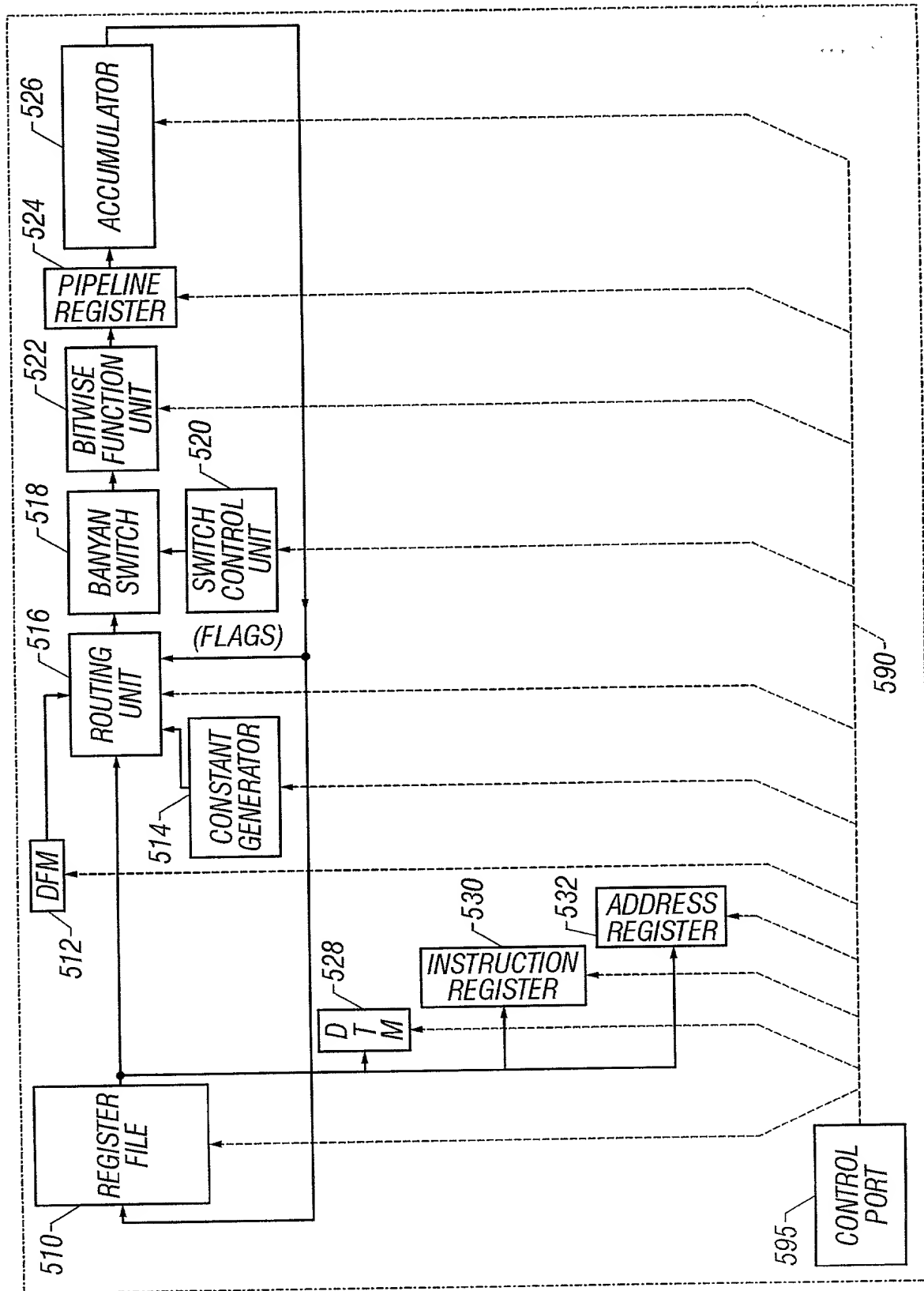


FIG. 5

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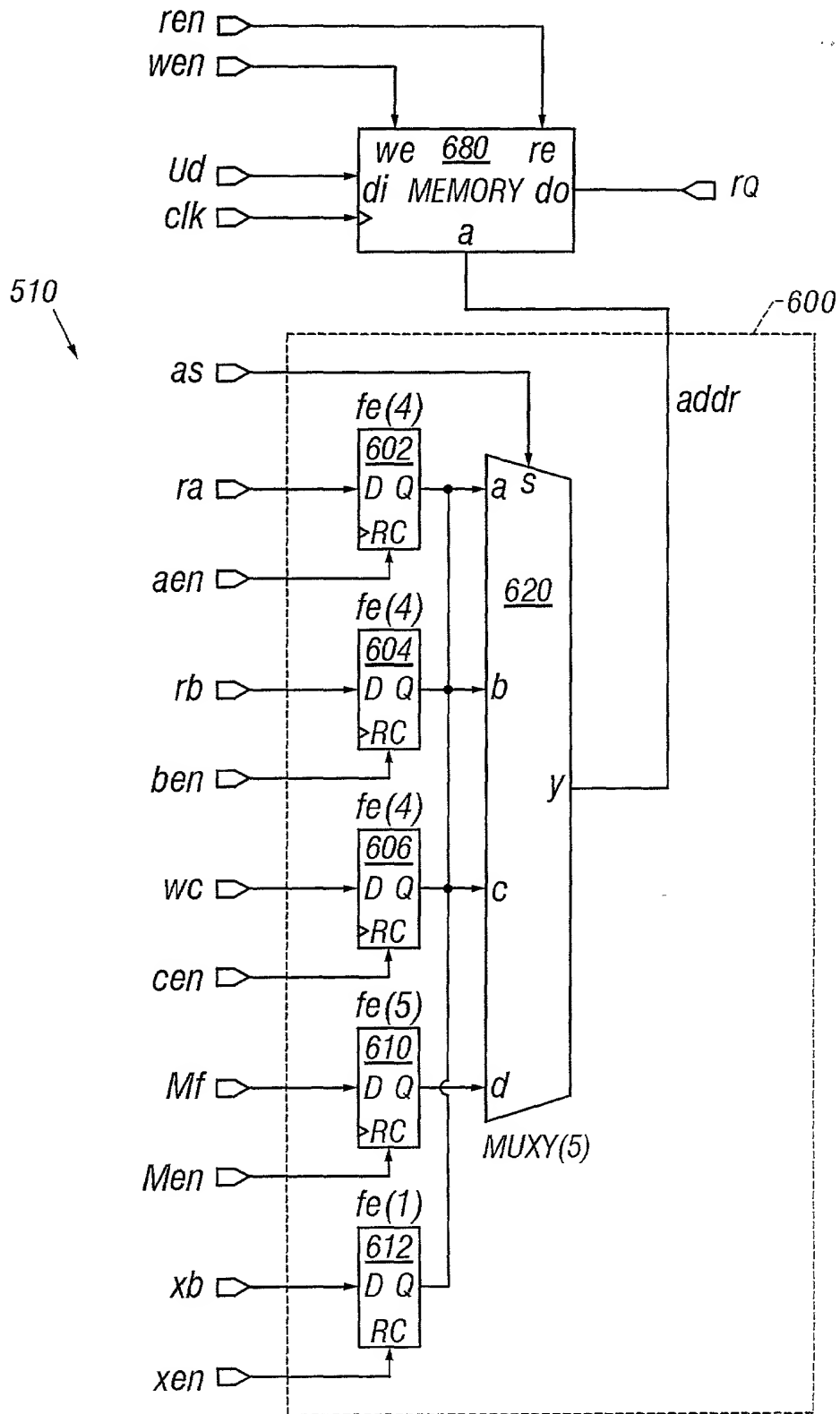


FIG. 6A

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| OUTPUT BITS FUNCTIONS | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | R63 | R62 | R61 | R60 | R59 | R58 | R57 | R56 | R55 | R54 | R53 | R52 | R51 | R50 | R49 | R48 | R47 | R46 | R45 | R44 | R43 | R42 | R41 | R40 | R39 | R38 | R37 | R36 | R35 | R34 | R33 | R32 | R31 | R30 | R29 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 3 | R63 | R62 | R61 | R60 | R59 | R58 | R57 | R56 | R55 | R54 | R53 | R52 | R51 | R50 | R49 | R48 | R47 | R46 | R45 | R44 | R43 | R42 | R41 | R40 | R39 | R38 | R37 | R36 | R35 | R34 | R33 | R32 | R31 | R30 | R29 |
| 4 | 0 | 0 | 0 | 0 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | |
| 5 | K63 | K62 | K61 | K60 | K59 | K58 | K57 | K56 | K55 | K54 | K53 | K52 | K51 | K50 | K49 | K48 | K47 | K46 | K45 | K44 | K43 | K42 | K41 | K40 | K39 | K38 | K37 | K36 | K35 | K34 | K33 | K32 | K31 | K30 | K29 |
| 6 | R63 | R62 | R61 | R60 | R59 | R58 | R57 | R56 | R55 | R54 | R53 | R52 | R51 | R50 | R49 | R48 | R47 | R46 | R45 | R44 | R43 | R42 | R41 | R40 | R39 | R38 | R37 | R36 | R35 | R34 | R33 | R32 | R31 | R30 | R29 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

FIG. 6B-1

| | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| R28 | R27 | R26 | R25 | R24 | R23 | R22 | R21 | R20 | R19 | R18 | R17 | R16 | R15 | R14 | R13 | R12 | D11 | D10 | D9 | D8 | D7 | D6 | D5 | D4 | D3 | D2 | D1 | D0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | R7 | R6 | R5 | R4 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | C3 | C2 | C1 | C0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| R28 | R27 | R26 | R25 | R24 | R23 | R22 | R21 | R20 | R19 | R18 | R17 | R16 | R15 | R14 | R13 | R12 | R11 | R10 | R9 | R8 | R7 | R6 | R5 | R4 | N | E | V | C | |
| R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R15 | R14 | R13 | R12 | R11 | R10 | R9 | R8 | R7 | R6 | R5 | R4 | R3 | R2 | R1 | R0 |
| K28 | K27 | K26 | K25 | K24 | K23 | K22 | K21 | K20 | K19 | K18 | K17 | K16 | K15 | K14 | K13 | K12 | K11 | K10 | K9 | K8 | K7 | K6 | K5 | K4 | K3 | K2 | K1 | K0 | |
| R28 | R27 | R26 | R25 | R24 | R23 | R22 | R21 | R20 | R19 | R18 | R17 | R16 | R15 | R14 | R13 | R12 | R11 | R10 | R9 | R8 | R7 | R6 | R5 | R4 | R3 | R2 | R1 | R0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

FIG. 6B-2

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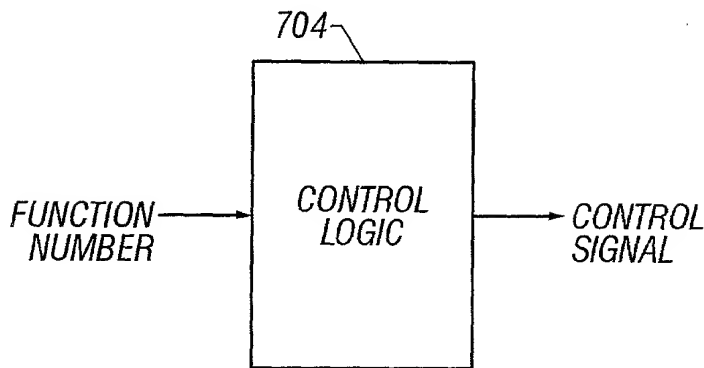


FIG. 7A

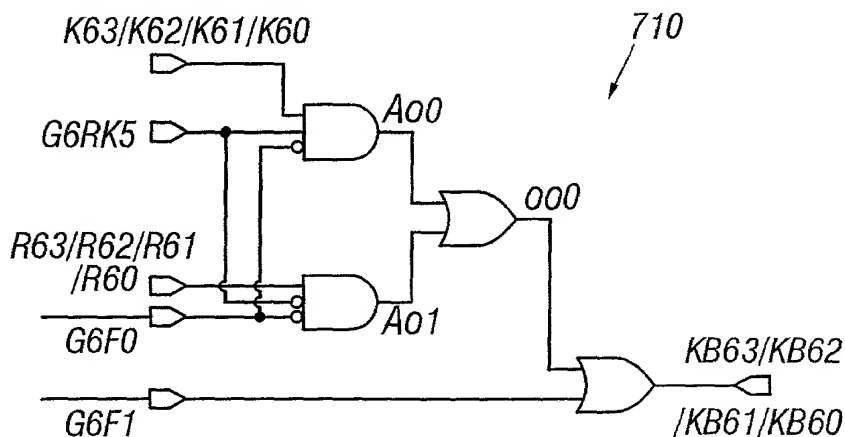


FIG. 7B

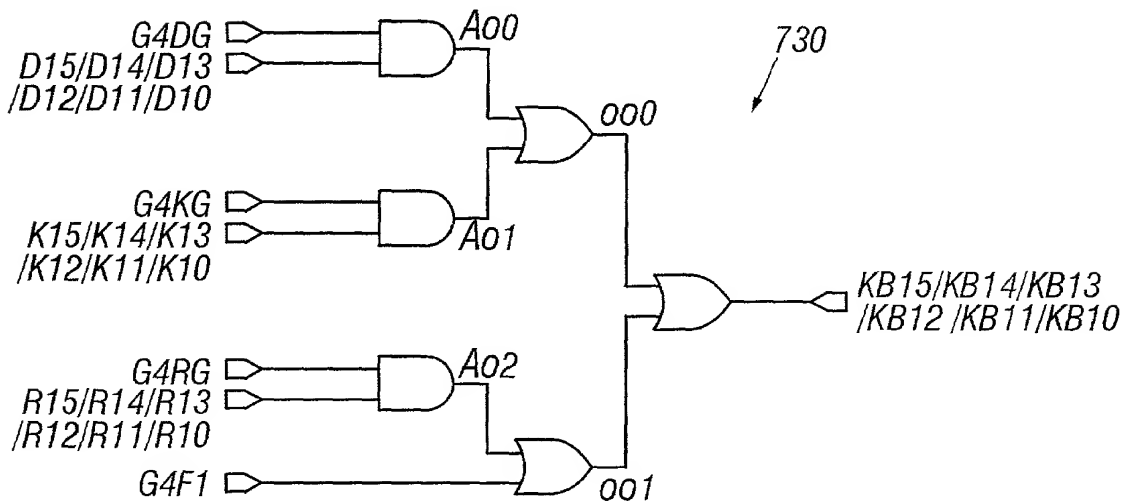
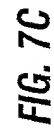


FIG. 7D



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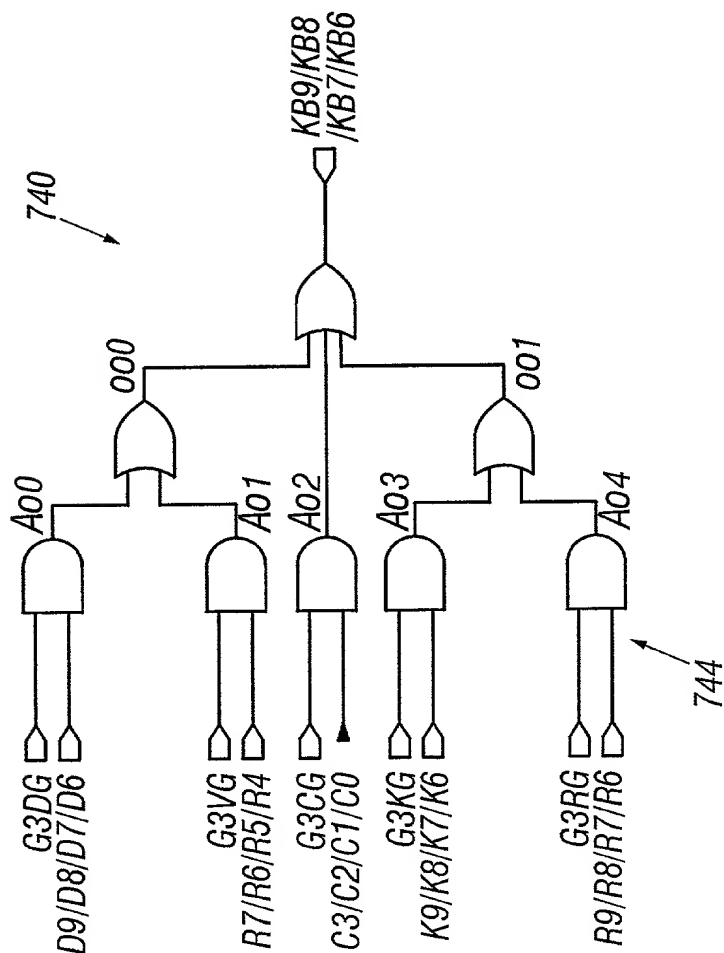


FIG. 7E

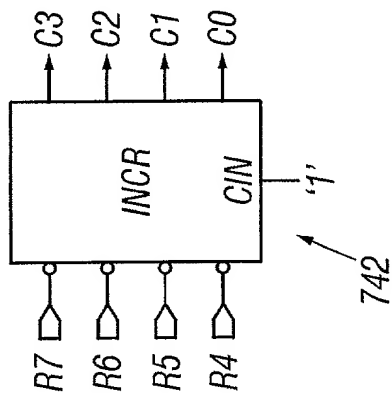
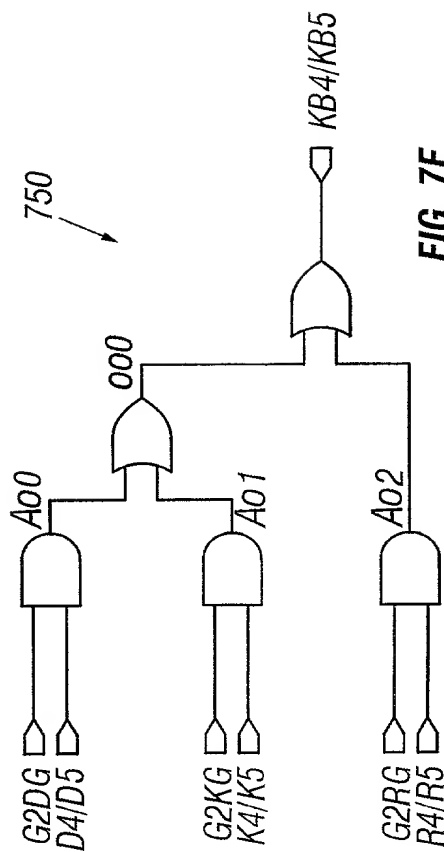


FIG. 7F



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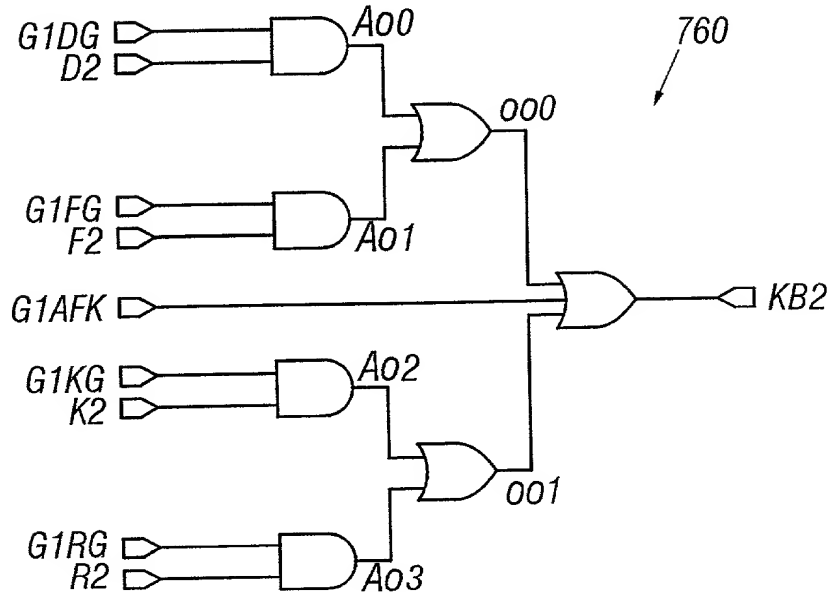


FIG. 7G

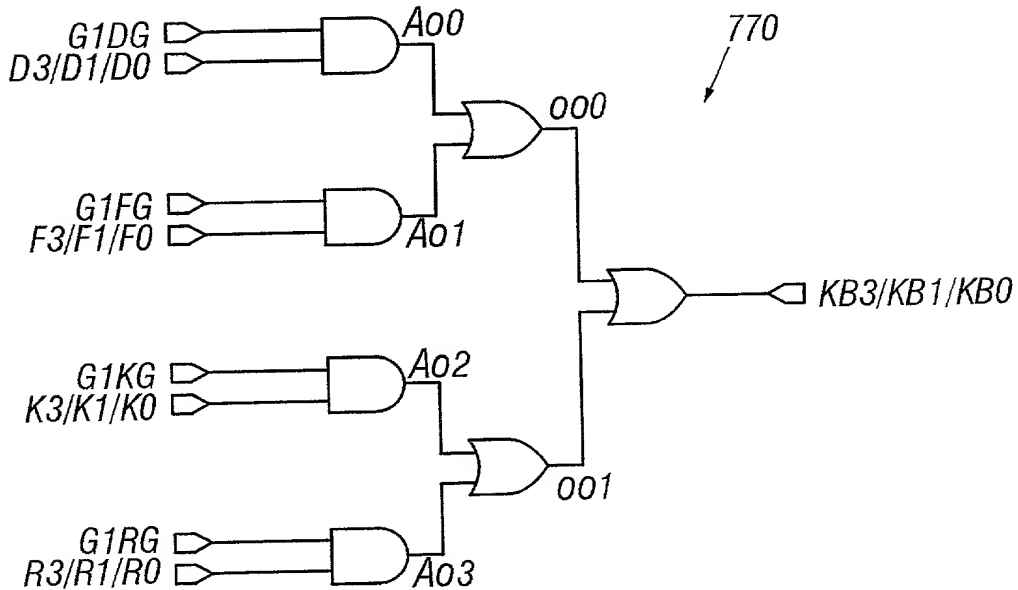


FIG. 7H

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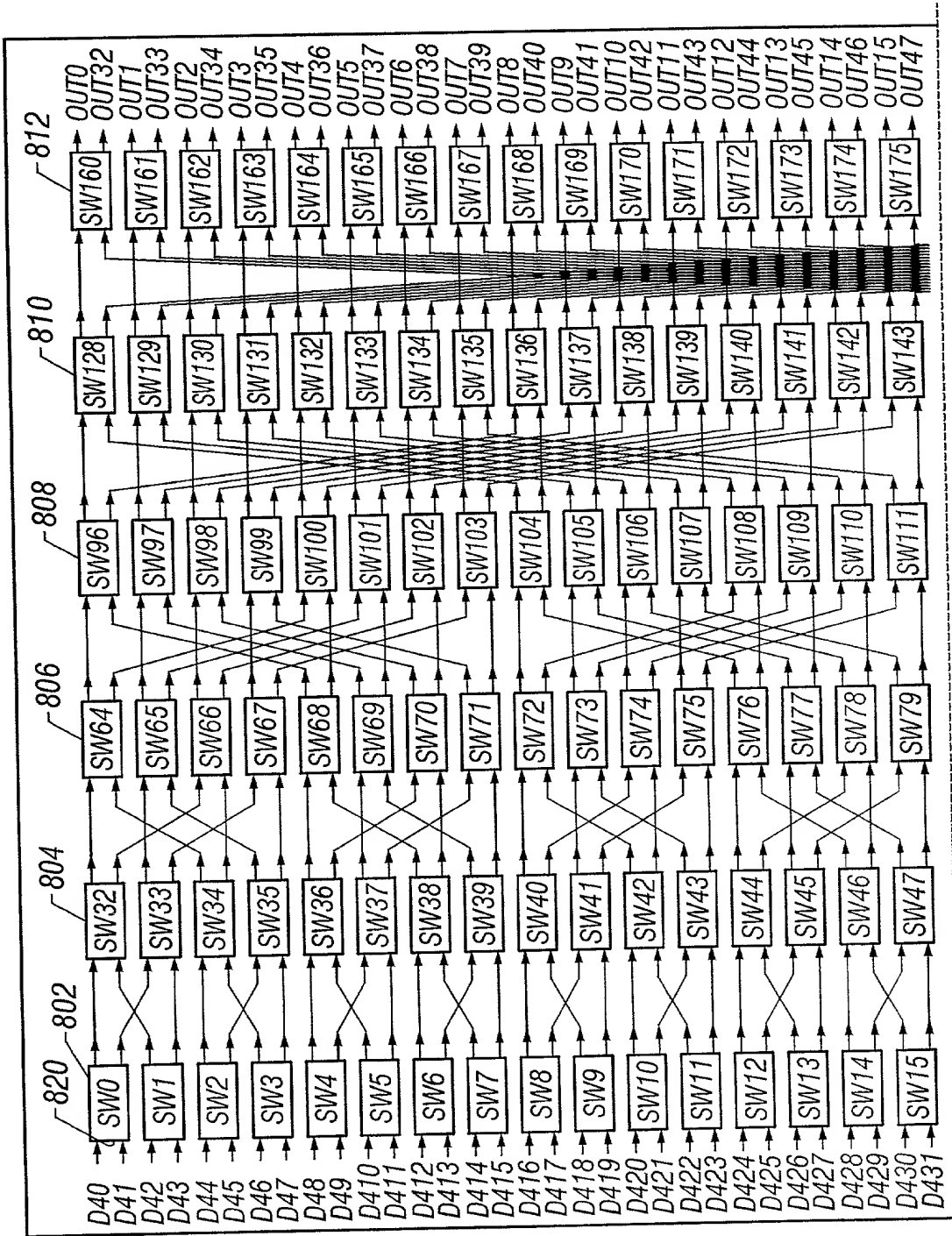


FIG. 8A-1

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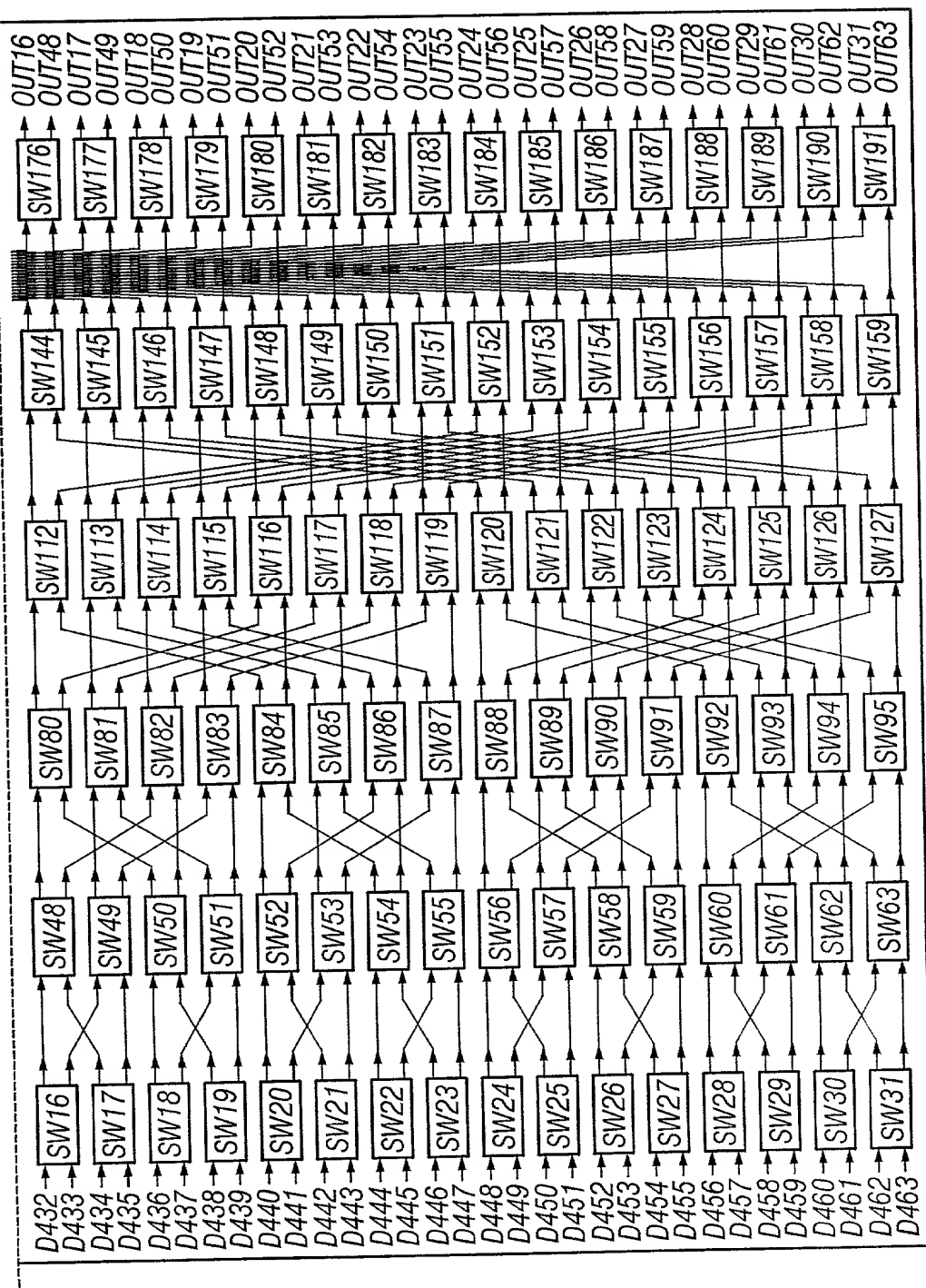


FIG. 8A-2



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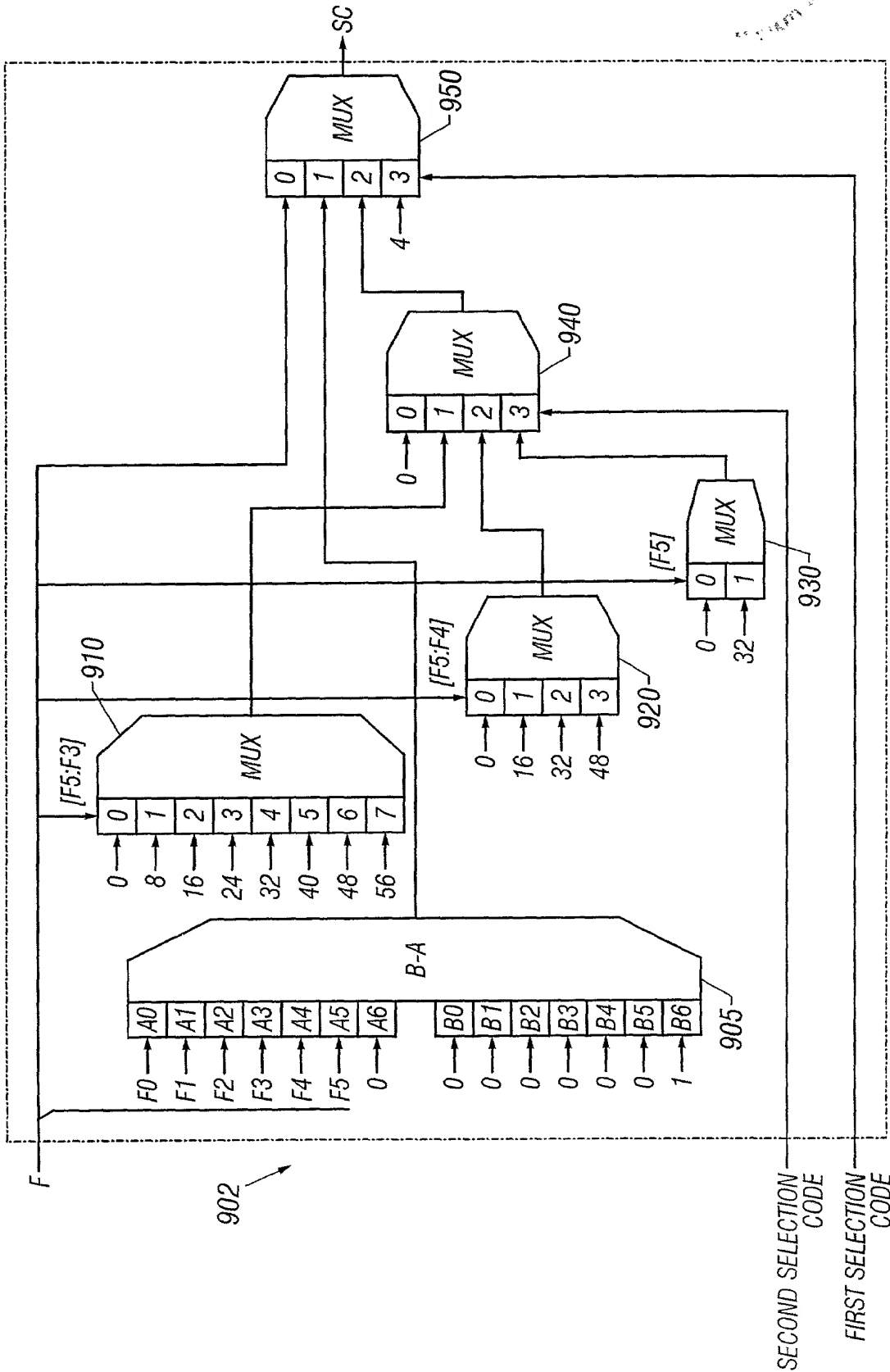


FIG. 9B

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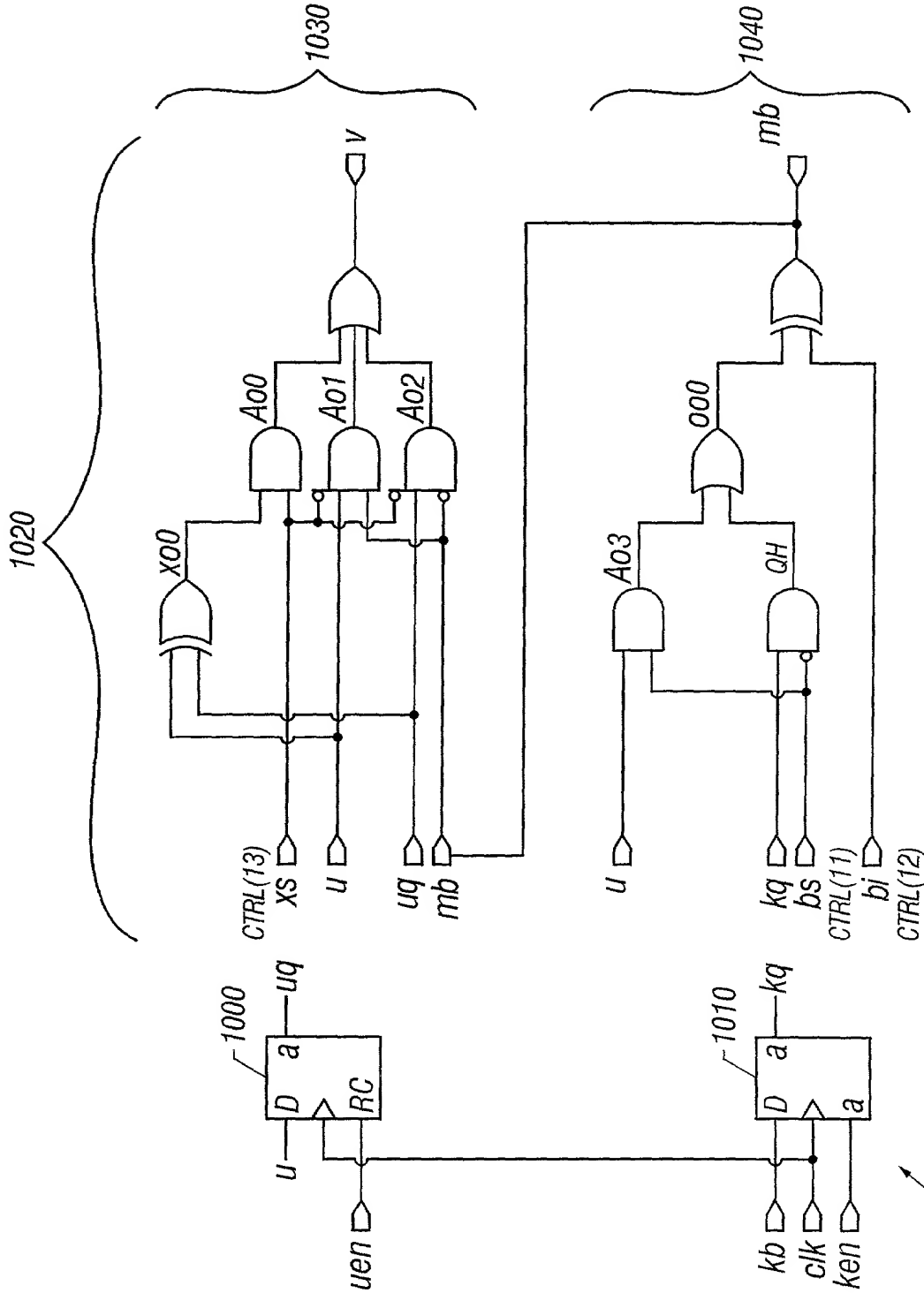


FIG. 10

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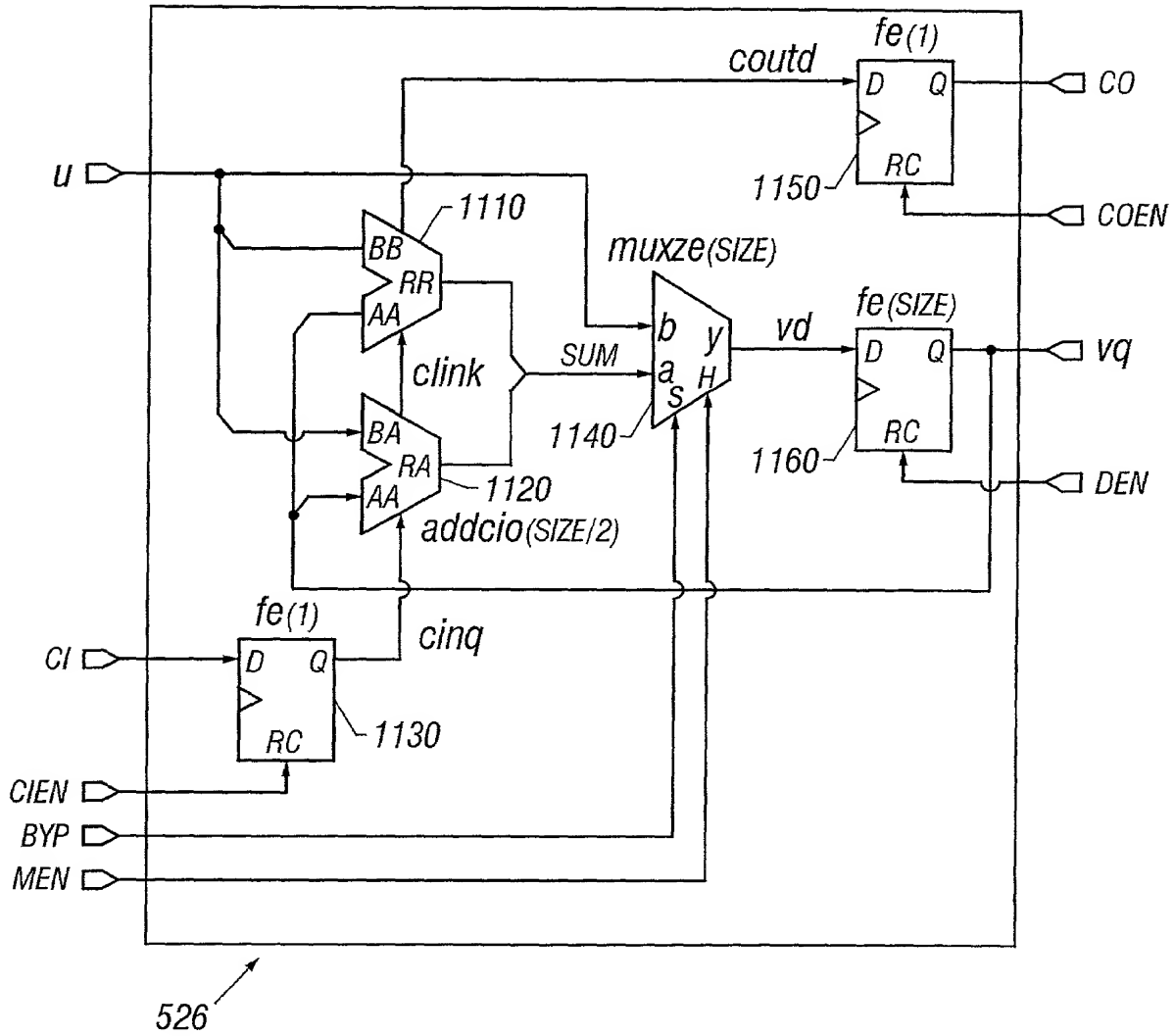


FIG. 11